

New York State Residential Statewide Baseline Study: Survey of Multifamily Owner and Managers – Tenant Appliances

General Description:

The New York State Energy Research and Development Authority (NYSERDA), in collaboration with the New York State Department of Public Service (DPS), conducted a statewide residential baseline study (study) from 2011 to 2014 of the single-family and multifamily residential housing segments, including new construction, and a broad range of energy uses and efficiency measures. The overall objective of the study was to understand the residential building stock and associated energy use, including the saturation of energy-consuming equipment (electric, natural gas, and other fuels) and the penetration of energy efficient equipment, building characteristics, and energy management practices. The study also collected respondent household characteristics (i.e. number of residents, education level, etc.) that can be correlated with energy usage features. This information will be used to establish more accurate baselines for calculating program energy savings, to estimate the influence of NYSERDA's and other New York State program administrators' activities on the market, and to support program planning in New York State. The study included five components: Single and multifamily occupant telephone or Web surveys, Multifamily owner or building manger telephone surveys, Single family on-site inspections, Multifamily on-site inspections, and Heating Ventilation Air Conditioning (HVAC) contractor surveys. The results of the residential baseline study are presented in five volumes of reports. The report volumes can be accessed through the following link: <http://www.nyserda.ny.gov/Residential-Statewide-Baseline-Study-of-New-York-State.aspx>

This dataset contains tenant appliances data collected as a result of the Multifamily owner and manager telephone surveys.

Data Collection Methodology:

The final dataset includes 219 completed surveys, and the sample was developed through survey responses of multifamily occupants to the Residential Statewide Baseline Study Single and Multifamily Occupant Telephone or Web Surveys as well as internet research. Owners and managers were not compensated for their participation in this survey. The objectives of these surveys were to both inform the residential baseline and to recruit locations for multifamily on-site inspections. The types of data collected during the survey cover property characteristics, heating and cooling equipment, water heating equipment, tenant appliances, lighting, purchasing decision, common areas, clothes washing and drying, and miscellaneous equipment. The data is segmented to cover both common space equipment and, to the degree possible, tenant-unit equipment, such as refrigerators or clothes washers that are included in the rental by the building ownership.

Statistical and Analytic Issues:

For most variables at the statewide level, the Multifamily owner or building manger telephone survey component of the study achieved a rigorous statistical standard: a 90% confidence interval with 10% precision. As a result, there is a 90 percent confidence that the measured value is within +/- 10 percent of the reported value. The study employed a random sample and the confidence and precision levels of the data were developed per the [New York Evaluation Plan Guidance for EEPS Program Administrators](#). For future analysis or use of this data, if specific statistical confidence and precision levels are required, it is highly recommended that users reference the final methodology volume of the report at: <http://www.nyserda.ny.gov/Residential-Statewide-Baseline-Study-of-New-York-State.aspx> Data labeled as "Programmed Skip" are questions not required of the participant due to an earlier response.

Limitations of Data Use:

This data is self-reported by owners and managers with varying levels of understanding of building characteristics, as a result variables could contain some level of reporting error.